

**Minutes of the APSUO Steering Committee Meeting
Held on April 26, 2001, at Argonne National Laboratory**

Attendees:

M. Antonio, D. Chapman, P. Fenter, R. Gerig, H. Grunder (*for Welcoming Remarks only*), D. Haeffner, S. Heald, E. Isaacs, D. Mills (*for all but Executive Session*), T. Rauchas, A. Rosenzweig, W. Schildkamp, G. Shenoy (*for all but Executive Session*), B. Stephenson, S. Strasser, C. Vanni, and P. Zschack

Welcoming Remarks:

Argonne National Laboratory's Director Hermann Grunder addressed the APSUO. His overall theme was the relationship between ANL's upper management and the researchers at Argonne: the goal is optimal science. He noted that open communication and a framework for the Laboratory's vision of the future were essential toward accomplishing this goal. Grunder also described the roles of the Lab's Deputy Director Beverly Hartline and Deputy to the Director Don Joyce. Various other topics were also discussed. Eric Isaacs thanked Grunder for sharing his outlook with the APSUO.

Routine Business:

Minutes of the January 25, 2001, meeting were approved, and action items were reviewed.

APS Update and Reports:

APS update:

Gopal Shenoy reviewed the current funding profile and described the FY 2001 funding reductions experienced at the APS. If the FY 2002 budget comes in "flat," the APS will maintain 5000 hours of user operation. However, the impact of a flat budget may be felt in other ways (e.g., no spares, fewer staff for quick repairs, etc.). Performance upgrades planned for FY 2002 are dependent on a healthy DOE budget. Additionally, the Basic Energy Science funding shortfall in 2001 will also cause the postponement and spreading out of APS activities over upcoming years. Funding for user operations on the beamlines is also a concern of APS management. Beamlines that are running on minimal staff risk staff burnout.

Shenoy reviewed the growth rate of the user community at the APS, noting that the APS has the largest average growth per year of the DOE/BES synchrotron facilities. He noted that APS CATs have produced five *Physical Review Letters* in the first three months of 2001! Publications in the biological sciences are also doing extremely well. There are currently six new sectors pending at the APS. Shenoy reviewed the status of potential future CATs, noting that the current cost per sector for front-end systems is \$2.4M. Shenoy reviewed the APS' future plans (beyond FY 2002) including implementation of double-undulator beamlines, HVAC improvements, new LOMs, etc. He also described the planned Center for Nanoscale Materials (funded in part by the State of Illinois).

Plans for APS user science publicity were discussed at length. Shenoy reviewed the different venues available and discussed upcoming deadlines for submissions. He announced the upcoming DOE review (October 16–18, 2001) and briefly discussed the topics that will be discussed, including a selection of the most outstanding research conducted at the APS between 1999 and 2000.

ANL ES&H requirements: review and update:

Denny Mills reviewed the recent reconfiguration of Argonne's ES&H organization. To keep current with the continually changing *ANL ES&H Manual*, APS divisions are using safety charters as general statements of their ES&H focus. The charters call out division-specific procedures as well as protocols established in the *ANL ES&H Manual*. CATs can also use this approach for their safety plans. The new model CAT Safety Plan should greatly simplify the process of keeping CAT plans current with APS and ANL policies. To keep CATs aware of changes in the ANL policies, a general translation of updates and changes will be sent to appropriate CAT personnel. CAT input about the new model plan will be incorporated by the end of May 2001. As existing CAT safety plans are updated, CATs will be asked to convert to the new model. All new CAT safety plans will be developed using the new format. It is anticipated that the new model will be fully implemented by June 2003.

FY 2002 operations planning:

Mills discussed the current plans for the FY 2002 operations schedule, noting that 75% of the scheduled time will be in top-up mode. Because all three accelerators are used during top-up operation, the 25% non-top-up

time is needed for operator training on the accelerators, time for upgrades, and LEUTL (low-energy undulator test line)-related activities. The APS is looking for ways to streamline the training process (e.g., simulators). Mills highlighted several new features in the FY 2002 schedule, including a new standard filling pattern, changes in the hybrid mode, and possible changes in injection frequency due to the reduced lifetime associated with low-emittance mode. A draft long-range FY 2002 operations schedule was distributed.

Network security update:

Mills also reported on computer security updates at both Argonne and the APS. In March 2001, the DOE Office of Independent Oversight and Performance Assessment conducted a cybersecurity review at ANL. As a result of the findings, a lab-wide strategy is being developed to protect the computing resources at the Lab. Mills reviewed the cybersecurity measures currently in place and described the APS firewall. Beginning June 1, 2001, ANL will block all inbound traffic to the Lab that uses ports 137, 138, and 139 (commonly known as NetBIOS ports). Mills noted several resources for information about ANL computer policies.

Visit to DOE/BES by four synchrotron user organization chairs:

Eric Isaacs reminded the group about past successes with visits to DOE/BES. The chairs of the synchrotron users organizations have decided to conduct a group visit again this year in early May. Consultants helped identify appropriate offices to visit. The goal of the group visits is to represent a larger, unified scientific community on behalf of the DOE.

APS II proposal submission and review process: status report:

Susan Strasser reviewed the current status of the II program, recent action items, and future plans for the program. Seven APS CATs are now participating in the II program with two more joining soon. To date, 92 proposals have been submitted. Strasser presented a summary table of current II proposal status by CAT. She reviewed the resolution of previous action items and noted future plans for improvement of the system.

Publications and Activity Report submissions:

(This topic was discussed during Shenoy's update.)

Executive Session:

Preliminary planning: Eleventh Users Meeting for the APS:

General time slots for the workshops have been assigned as follows:

<u>Workshop</u>	<u>Duration</u>	<u>Day</u>	<u>Tentative Organizer(s)</u>
APS 101	1/2 day	Tuesday (possibly in the evening)	Dean Haeffner
Nano Science	full day	Tuesday	Brian Stephenson
Bio Science	full day	Tuesday	Amy Rosenzweig + ?
Environmental Science	full day	Tuesday	Paul Fenter + ?
SAXS	1/2 day	Thursday (afternoon)	(Gabrielle Long will be asked)

Plus either/or:

<i>In situ</i> characterization	1/2 day	Thursday (afternoon)	
Detector session*	1/2 day	Thursday (afternoon)	(possibly Denny Mills?)

(*could be broadened to advanced instrumentation incl. optics)

To ensure sufficient funds to support speakers yet avoid charging individual workshop fees, the meeting registration fee will be increased to \$150 per person. Seven user science talks (three on Wednesday afternoon and four on Thursday morning) will be scheduled. The poster session will follow the Wednesday afternoon science talks.

Paul Zschack noted that Hans Deisenhofer is unavailable to be the keynote speaker for the meeting. A good keynote speaker is a good draw for attendees; however, Zschack noted that Wednesday morning is looking crowded in terms of speakers. Probable speakers include the new APS director, the Compton Award winner(s), a DOE representative, ANL Laboratory Director Hermann Grunder, and a possible keynote speaker.

The group also discussed possible avenues for recognizing David Moncton's contributions to the APS during his tenure as associate laboratory director.

Electronic election process:

Paul Fenter demonstrated the Web-based electronic voting system to the group. Actual voting for the Users Meeting will begin approximately two weeks before the start of the meeting and end Wednesday night before the banquet. The initial slate of candidates will be announced in July to allow time to collect any write-in nominees. The final ballot will be presented in mid September for the actual start of the voting process.

Nominating Committee:

The nominating committee is working on developing an initial slate of candidates.

User Meeting logistics:

Connie Vanni informed the group that the Brookfield Zoo has been secured as the banquet location for the Users Meeting. More than 50 companies have been contacted as potential vendors, and registration forms are already being returned. The vendors have been offered sponsorship opportunities to financially support a welcoming reception, the pre-dinner cocktail reception at the banquet, and the student poster prizes.

Next Meeting:

The next meeting of the APSUO Steering Committee will be held Thursday, July 19, 2001.

APSUO SC 04/26/01 Meeting Action Items:

1. Send list of APSUO SC meeting dates to Hermann Grunder's office. **(S. Strasser)**
2. Request funding support for the Eleventh Users Meeting. **(D. Mills)**
3. Send an e-mail and "snail mail" to user community at large to announce pending deadlines for II proposal submission dates. **(S. Strasser)**
4. Send a letter to D. Mills from the APSUO in support of increased funding for a detector program. **(the APSUO Steering Committee)**
5. Consult D. Mills to find out how to frame a possible detector/instrumentation workshop. **(the APSUO Steering Committee)**
6. Investigate the possibilities for recognizing D. Moncton's contributions to the APS during the Eleventh Users Meeting. **(the APSUO Steering Committee)**
7. Send P. Zschack an e-mail suggesting potential speakers for the keynote address and user science talks. **(the APSUO Steering Committee)**